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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 12, 2004
Eric W. Gutttag
Eric W. Gutttag

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Mark D. GORMAN et al : Group Art Unit:
Serial No. 10/748,516 : Confirmation No.:
Filed: December 30, 2003 :
For: CERAMIC COMPOSITIONS FOR LOW CONDUCTIVITY
THERMAL BARRIER COATINGS

**INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.56,
1.97 AND 1.98 (WITHIN 3 MONTHS OF FILING OR PRIOR TO FIRST OFFICE ACTION)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.56, 1.97 and 1.98, Applicants request the Examiner to make of record the documents listed on the attached PTO-1449 forms. Copies of the listed documents that are not U.S. patent documents are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each document listed on the attached PTO-1449 forms in the space provided, make a copy of the initialed forms, and return the copy to Applicants' attorney.

Applicants also request the Examiner to consider and make of record certain copending U.S. applications that are listed in the attached Table entitled "Copending U.S. Patent Applications." Copies of the copending applications listed in the attached table are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each copending application listed on the attached Table in the space provided, make a copy of the initialed Table, and return the copy to Applicants' attorney.

This paper and the enclosed documents are being submitted in accordance with 37 CFR 1.97(b), i.e., within three (3) months of the application filing date or prior to a first Office Action on the merits.

Respectfully submitted,

For: M. D. GORMAN et al

By: *Eric W. Gutttag*
Eric W. Gutttag
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April 12, 2004



COPENDING U.S. PATENT APPLICATIONS

Examiner Initial	Applicant(s)	Serial No.	Filing Date	Attorney Docket No.
	Boutwell et al	10/748,517	12/30/03	127084
	Darolia et al.	10/748,519	12/30/03	128895
	Spitsberg et al.	10/748,508	12/30/03	129967
	Spitsberg et al	10/748,520	12/30/03	129968
	Spitsberg et al	10/748,521	12/30/03	130706
	Spitsberg et al	10/748,518	12/30/03	130707
	Spitsberg et al	10/748,513	12/30/03	143385

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/748,516
Filing Date	December 30, 2003
First Named Inventor	Mark D. GORMAN et al.
Art Unit	
Examiner Name	
Attorney Docket Number	127051

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
		US-	4,753,902	06/28/88	Ketcham	
		US-	5,180,696	01/19/93	Inoue	
		US-	5,350,599	09/27/94	Rigney et al	
		US-	5,384,200	01/04/95	Giles et al	
		US-	5,705,231	01/06/98	Nissley et al	
		US-	5,789,330	08/04/98	Kondo et al	
		US-	5,824,089	10/20/98	Rieger	
		US-	5,942,334	08/24/99	Wortman	
		US-	5,981,088	11/09/99	Bruce et al	
		US-	6,025,078	02/15/00	Rickerby et al	
		US-	6,054,184	04/25/00	Bruce et al	
		US-	6,117,560	09/12/00	Maloney	
		US-	6,123,997	09/26/00	Schaeffer et al	
		US-	6,183,884 B1	02/06/01	Rickerby	
		US-	6,284,325 B1	09/04/01	Maloney	
		US-	6,319,614 B1	11/20/01	Beele	
		US-	6,333,118 B1	12/21/01	Alperine et al	
		US-	6,352,788 B1	03/03/02	Bruce	
		US-	6,387,526 B1	05/14/02	Beele	
		US-	6,395,381 B1	05/28/02	Kondo et al	
		US-	6,465,090 B1	10/15/02	Stowell et al	
		US-	2002/017283 A1	11/21/02	Rigney et al	
		US-	2003/0049470 A1	03/13/03	Maloney	
		US-	2003/0059633 A1	03/27/03	Ackerman et al	
		US-	2003/0224200 A1	12/04/03	Bruce	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) volume-issue number(s), publisher, city and/or country where published.	T ²
		HWANG et al., "Grain Size Control of Tetragonal Zirconia Polycrystals Using the Space Charge Concept", J. Am. Ceram. Soc., 1990, 73(11):3269-77	
		KIM, "Effect of Ta ₂ O ₅ , Nb ₂ O ₅ , and HfO ₂ Alloying on the Transformability of Y ₂ O ₃ -Stabilized Tetragonal ZrO ₂ ", J. Am. Ceram. Soc., 73(1):115-120	
		NAKAYAMA et al., "Effect of La ₂ O ₃ Addition on Thermal Stability of Y-TZP," J. Mat. Sci. Lett., 18:1339-41 (1999)	
		VASSEN et al., "Zirconates as New Materials for Thermal Barrier Coatings," J. Am. Ceram. Soc., 83(8):2023-28 (2000)	

Examiner Signature	Date Considered
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